

EAST - [default.wsp.1]

File View Edit Tools Window Help

☐ Drafts ☐ Pending ☐ Active ☐ Failed ☐ Saved ☒ (16) ("5290271") or ("51979") ☒ (14) collagen near (coated c ☐ Favorites ☐ Tagged ☐ UDC ☐ Queue ☐ Trash

DB: USPAT, EPO, JPO, Derwent

Default operator: OR

☒ Plurals ☒ Synonyms ☒ Highlight all hit terms initially

collagen near (coated or impregnated) same (expanded adj3  
polytetrafluoroeth5 or eptfe or ptfe)

☒ BRS term ☒ ISR term ☐ Image ☐ Text

	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	<input type="checkbox"/>	<input type="checkbox"/>	US 5032508 A	19910716	55	Three-dimensional cell and tissue culture system - for		
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5037656 A	19910806	5	Composite porous thermoplastic membrane - is		
3	<input type="checkbox"/>	<input type="checkbox"/>	US 4883486 A	19891128	7	Prosthetic ligament	623/13.15	
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5316023 A	19940531	16	Method for bilateral intra-aortic bypass	128/898	606/108 ; 606/155
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5437900 A	19950801	21	Surface modified porous expanded	428/36.1	128/DIG.14 ; 174/110FC
6	<input type="checkbox"/>	<input type="checkbox"/>	US 5462781 A	19951031	20	Surface modified porous expanded	428/36.1	128/DIG.14 ; 204/157.61
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5571170 A	19961105	14	Method and apparatus for bilateral intra-aortic	623/1.11	606/108 ; 606/155
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5683453 A	19971104	12	Apparatus for bilateral intra-aortic bypass	623/1.13	606/153 ; 606/198
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5698521 A	19971216	16	Native calcitonin mimetics	514/13	530/307 ; 530/326
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5698672 A	19971216	18	Synthetic calcitonin mimetics	530/326	530/327 ; 530/328
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6054122 A	20000425	79	Supplemented and unsupplemented tissue	424/94.4	424/94.1 ; 424/94.64

☒ Hits ☒ Details

Ready

NUM

EAST 10/25/00

	Document	Kind	Code	Source	Page	Page
1	US 6136024	USPAT	2000102	7		
2	US 6124273	USPAT	2000092	25		
3	US 6117425	USPAT	2000091	79		
4	US 6054122	USPAT	2000042	79		
5	US 5698521	USPAT	1997121	16		
6	US 5698672	USPAT	1997121	18		
7	US 5683453	USPAT	1997110	12		
8	US 5571170	USPAT	1996110	14		
	US 5462781	USPAT	1995105	127		
10	US 5437900	USPAT	1995080	21		
11	US 5316023	USPAT	1994053	16		
12	US 5037656	DERWEN	1991080			
13	US 5032508	DERWEN	1991071	55		
14	US 4883486	USPAT	1989112	7		

DOCUMENT-IDENTIFIER: US 5462781 A

TITLE: Surface modified porous expanded polytetrafluoroethylene and process for making

## BSPP:

An article by C. Tran and D. Walt (Plasma Modification and Collagen Binding to PTFE Grafts. Journal of Colloid and Interface Science, Oct. 15, 1989, vol 132 No. 2, pp 373-381), describes the use of RF and electrical glow discharge plasma deposition systems to clean and coat the luminal surface of porous expanded polytetrafluoroethylene GORE-TEX.RTM. Vascular Grafts. Cleaning was done with argon plasma for one hour followed consecutively by plasma polymerization with hexane and anhydrous ammonia for one hour each. The grafts were then coated with collagen. Wettability of the plasma modified polytetrafluoroethylene (hereinafter PTFE) surface was found to be increased. Y. S. Yeh et al. (Blood Compatibility of Surfaces Modified by Plasma Polymerization. Journal of Biomedical Materials Research 1988 22:795-818) used rf gas plasma in a hexafluoroethane/H.sub.2 atmosphere to polymerize the surface of GORE-TEX Vascular Grafts. They described the surface morphology of the treated graft surfaces as being indistinguishable from untreated graft surfaces.